RCA

TV/DVD
User's Guide

Changing Entertainment. Again.

Important Information

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates important instructions accompanying the product.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

Notes:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this DVD player is Region No 1.

This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

**CLASS 1
LASER
PRODUCT**

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers. These numbers are located on the product.

Model No. _____ Serial No. _____ Purchase Date: _____

Dealer/Address/Phone: _____

Table of Contents

Chapter 1: Connections & Setup

Things to Consider Before You Connect 3
- Protect Against Power Surges 3
- Protect Components from Overheating 3
- Position Cables Properly to Avoid Audio Interference 3
- Important Stand and Base Safety Information ... 3
- Use Indirect Light 3
- Types of Discs Your TV/DVD will Play 3
- Cables Needed to Connect Components to Your TV/DVD 3

TV/DVD + VCR 4

Explanation of Jacks 5

The Front of Your TV/DVD 6
- Front Panel Buttons 6

Plug in the TV/DVD 7

Put batteries in the remote 7

How to Use the Remote Control to Complete the Initial Setup 7

Turn on the TV 7

Complete the Initial Setup 7
- Complete Auto Channel Search 8

Set the DVD Menu Language 8

Setting Other Options 8

Chapter 2: Using the Remote Control

Button Descriptions 9
- Using the INPUT Button 10

Programming the Remote to Operate Other Components 10
- Find Out If You Need to Program the Remote . 10
- Programming the Remote 11
- How to Use the Remote After You've Programmed It 12

Remote Control Codes 12

Chapter 3: Playing Discs

Regional Coding 14

Using Different Menus 14

Loading and Playing Discs 14
- To Load and Play a Disc 14

Using a Disc Menu 15

Disc Playback Features Using the Remote 15

Using the On-Screen Info Display 16
- DVD Disc Info Display 16
- Time Display 16
- Selecting a Title 16
- Selecting a Chapter 17
- Selecting Subtitles 17
- Changing the Audio Language 17
- Using the Repeat Feature 18
- Changing the Camera Angle 19

Playing Other Discs 19
- Audio CD Info Display 19
- mp3 Info Display 19
- Video CD Info Display 19
- Using the Time Display 20
- Selecting a Specific Track 20
- Selecting a Specific Index (Available only on Video CDs) 20
- Selecting a Play Mode (Available only on Audio CDs and mp3s) 20
- Using the Program Play Feature 21
- Editing a Playlist 22
- Using the Repeat Feature 22
- Changing the Audio Channel Output (Available only on Video CDs) 22
- Using IntroScan (Available only on Audio CDs and mp3s) 22
- Using PlayBack Control (Available only on Video CDs) 22

Viewing JPEG files 23

Chapter 4: Using the TV's Features

Channel Banner 24

Why You Should Use the Auto Tuning Feature 24
- How to Set Up the Auto Tuning Feature 24

Parental Controls and V-Chip 25

Table of Contents

How V-Chip Works 26
USA V-Chip Rating System 26
Canadian English V-Chip Rating System 27
Canadian French V-Chip Rating System 28
USA V-Chip TV Rating Limit 28
Blocking Specific Content Themes 30
Viewing Specific Content Themes 30
Blocking Canadian V-Chip Ratings 31
V-Chip Movie Rating Limit 31
V-Chip Exempt Program Block 31
KidPass 32
V-Chip Active 32
Front Panel Lock 32
Change Password 32

Chapter 5: Using the DVD Menu

The DVD's Menu System 33
The Play/Resume Play Option 33
The Play Mode Menu 33
Selecting a Play Mode 33
How to Create a Program 33
Editing a Program 34
AutoPlay 35
IntroScan 35
The Lock Menu 35
Locking Your DVD 36
Unlocking Your DVD 36
Changing Your Password 36
Setting the Ratings Limits 37
Unrated Titles 38
System Test 38
The Display Menu 39
TV Image 39
On-Screen Displays 40
The Sound Menu 40
Sound Logic 40
Digital Output 41
The Languages Menu 42
Changing the Player Menus, Disc Menus, Audio or Subtitles Language Preferences 42

Chapter 6: Using the TV's Menu System

Sound Menu 43
Picture Menu 43
Setup Menu 44
Parental Control Menu 45
Time Menu 45

Chapter 7: Other Information

Troubleshooting 46
Care and Cleaning 50
Limited Warranty 51
Accessory Information 54

Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV/DVD and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safety Instructions packed separately.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- If you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV/DVD, route all cables down the side of the back of the TV/DVD instead of straight down the middle of the TV/DVD.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

Choose the location for your TV/DVD carefully. Place the TV/DVD on a stand or base that is of adequate size and strength to prevent the TV/DVD from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV/DVD. Refer to the Important Safety Instructions packed separately.

Use Indirect Light

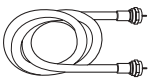
Don't place the TV/DVD where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Types of Discs Your TV/DVD will Play

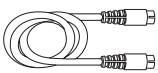
- DVD discs - DVD discs contain high quality picture and sound content.
- Audio discs - Audio CDs contain musical or sound content only. This player is also capable of playing CDs that contain JPEG files.
- Video CD discs – Like DVD video discs, Video CDs contain picture and sound content. The difference is the amount of information that can be stored on the disc, and the quality of the video.
- mp3 discs – A disc that contains audio files (for example, a CD-R with downloaded mp3 files).

Cables Needed to Connect Components to Your TV/DVD

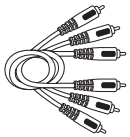
The pictures below show the cables needed for the connections represented in this book.



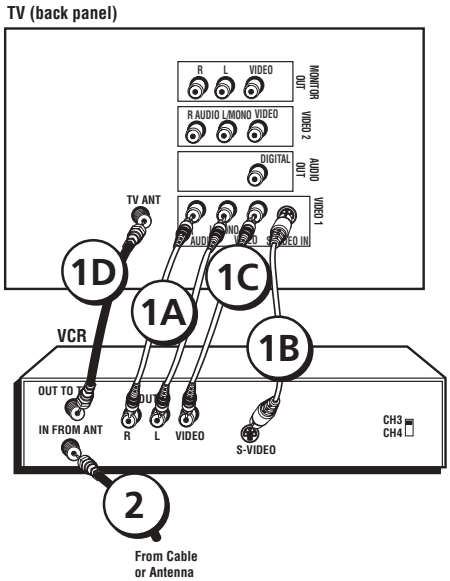
Coaxial cable



S-Video cable



Audio/Video cables



TV/DVD + VCR

1. **Connect your TV/DVD to your VCR.**
   A. Connect the audio (white and red) cables to the VIDEO 1 R and L/MONO AUDIO jacks on the back of the TV/DVD and to the Audio Output jacks on the VCR.
   B. If your VCR has an S-Video jack, connect an S-Video cable to the S-Video jack on the VCR and to the S-VIDEO IN jack on the back of the TV. If your VCR doesn't have an S-Video jack, go to C.

   -OR-

   C. Connect a video cable (yellow) to the Video Output Jack on the VCR and to the VIDEO 1 VIDEO jack on the back of the TV/DVD.
   D. Connect a coaxial cable to the TV ANT jack on your TV/DVD and to the Output Jack on your VCR (sometimes labeled OUT TO TV).

   Note: If your VCR has A/V output jacks, you can connect your TV to your VCR using audio/video cables for better quality.
2. **Make sure cable or antenna is connected to your VCR.**
   Connect the coaxial cable from your cable outlet or antenna to the antenna input on the VCR.

Go to page 7

Explanation of Jacks

This section describes the jacks you can use to make connections. There are several ways to connect components to your TV/DVD.

TV ANT Lets you connect a coaxial cable to receive the signal from the antenna, cable, cable box, or if using the example on page 4, a VCR.

VIDEO 1

VIDEO, AUDIO R and L/MONO Lets you connect a component such as a VCR.

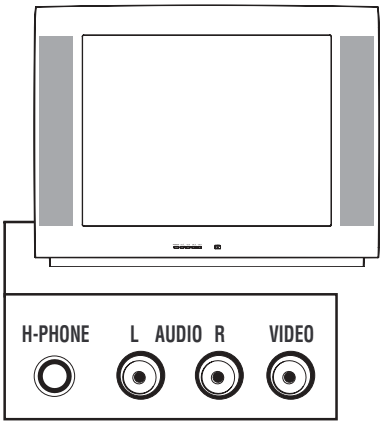
- **R (RIGHT) AUDIO** Provides right audio connection. The right audio connector is usually red.
- **L/MONO AUDIO** Provides left audio connection. The left audio connector is usually white.
- **VIDEO** Provides composite video connection. The video connector is usually yellow.
- **S-VIDEO IN** Provides better picture quality than the video jacks because the color part of the signal is separated from the black and white part of the picture. When using S-VIDEO IN, make sure to connect left and right audio cables to the L/MONO and R AUDIO Input jacks.

VIDEO 2

VIDEO, AUDIO R and L/MONO Lets you connect a second component, such as a VCR. Their description is the same as VIDEO 1.

DIGITAL AUDIO OUT Lets you connect a digital receiver for improved sound quality. Go to page 41 for more information on digital audio.

MONITOR OUT Lets you connect an amplifier or audio receiver for improved sound quality or an external video monitor. Connect to a component such as a DVD recorder for recording capability.



The Front of Your TV/DVD

The TV/DVD has front input jacks for your convenience: one set of audio/video inputs and a headphone jack. These jacks are towards the front of the TV/DVD on the side. To access the component you connected to the front of the TV/DVD, press the INPUT button on your remote until *FRNT* appears on the screen. The jacks are ideal for connecting a video game console or a camcorder.

Note: When connecting a component that only has one audio jack, such as some camcorders, use the TV/DVD's AUDIO L/MONO jack to hear the audio.

H-PHONE Allows you to connect headphones to listen to the sound coming from the TV/DVD.

L/MONO and R AUDIO Receives audio from another component such as a VCR, camcorder, or video game console.

VIDEO Receives video from another component such as a VCR, camcorder, or video game console.

Front Panel Buttons

If you cannot locate your remote, you can use the front panel buttons of your TV/DVD to operate many of the TV/DVD's features.

PLAY/PAUSE Begins disc play. If in play mode, pauses disc.

STOP Stops disc play.

OPEN/CLOSE Press to open and close the disc tray.

MENU/OK Brings up the Main menu. In the menu system, it selects highlighted items.

CH ∨ Scans down through the current channel list. In the menu system, acts like the down arrow button on the remote control and adjusts menu controls.

CH ∧ Scans up through the channel list. In the menu system, acts like the up arrow button on the remote control and adjusts menu controls.

VOL < Decreases the volume. In the menu system, acts like the left arrow button on the remote control and adjusts menu controls.

VOL > Increases the volume. In the menu system, acts like the right arrow button on the remote control and adjusts menu controls.

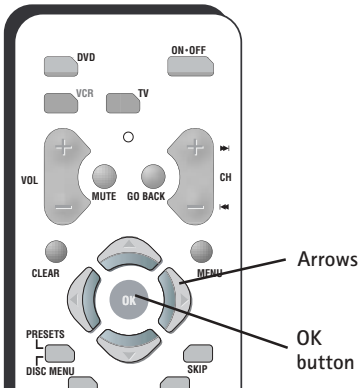
POWER Turns the TV/DVD on and off.

Plug in the TV/DVD

Plug the end of the power cord into a grounded wall outlet. Insert the plug completely into the outlet.

Put batteries in the remote

- Remove the battery compartment cover from the back of the remote by pushing down on and sliding off the cover.
- Insert 2 fresh "AAA" batteries. Make sure the polarities (+ and -) are aligned correctly.
- Replace the cover.



How to Use the Remote Control to Complete the Initial Setup

The technical term is "Navigation"– how you move through the on-screen menus. The method is the same throughout the menu screens: highlight your choice and select it.

To highlight a menu item, press the arrow buttons on the remote to highlight one of the items listed on the screen. Use the up or down arrow button to move up or down. Use the right or left arrow button to move right or left.

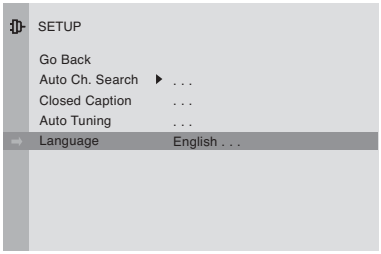
To select the item that you've highlighted, press OK.

Note: Highlighted means that the menu item stands out from other menu items on the list (appears darker, brighter, or a different color).

Turn on the TV

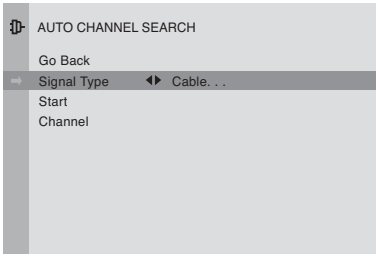
Press TV on the remote, or press POWER on the TV/DVD's front panel.

Note: Pressing the TV button not only turns on the TV, but puts the remote into TV mode. "TV mode" means that the buttons on the remote control operate the TV's functions.



Complete the Initial Setup

The menu system in your TV allows the TV's features to work properly. The first time you turn on your TV, the *SETUP* screen appears with *Language* highlighted. The default language is *English*. To choose another language, press the right arrow button on the remote.

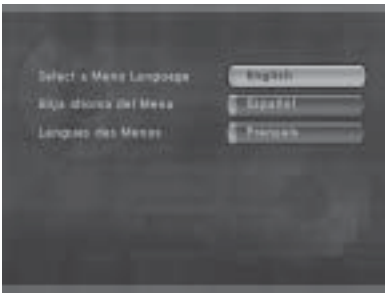


Complete Auto Channel Search

This part of the setup allows the TV to search for all channels viewable through your antenna or cable TV system. This is sometimes called auto programming.

1. Highlight *Auto Ch. Search* and press OK.
2. The *Signal Type* option is set to *Cable*. To change the option to *Antenna*, press the right arrow button and then press OK.
3. Press the down arrow button to highlight *Start*. Press OK to begin the auto channel search.

Once the search is complete, you can begin watching TV. For information on customizing your channels or menu options, go to Chapter 6.



This is the Automatic Language Selection Screen. English is the default language, and appears highlighted when the screen comes up.

Set the DVD Menu Language

The first time you are in DVD mode, the Automatic Language Selection Screen appears.

By default, the DVD's on-screen displays are shown in English. If you want the on-screen menus to appear in English, press OK on the remote.

To change the language:

1. Press the down arrow button on the remote until the appropriate language is highlighted.
2. Press OK on the remote.

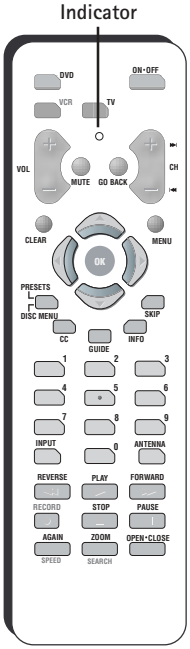
This screen sets all language preferences for on-screen displays to the same language. You can use the DVD's menu system to set individual language preferences (see Chapter 5).

Setting Other Options

The DVD's menu system contains many options which can enhance your disc viewing and listening experience. These options include:

- ratings limits
- language preferences
- audio preferences
- display options

For more information on DVD menu options, see Chapter 5.



Button Descriptions

Arrows Used to highlight different items in the TV menu and to adjust the menu controls.

Indicator Indicates the programming mode when programming the remote to control components. Lights when you press a valid button on the remote. Flickers when a button is pressed and the batteries are low.

(0-9) Number Buttons Enter channel numbers and time settings directly through the remote control.

To enter a one-digit channel, enter a zero first. To enter a two-digit channel, press the two digits and expect a few seconds delay. This is if you want to enter a third digit.

AGAIN In DVD mode, goes back approximately 10 seconds to see and hear missed content.

CC In TV mode, toggles closed captioning on and off. In DVD mode, displays the Info Display with the Subtitle icon highlighted.

ANTENNA In VCR mode, functions as a TV/VCR button.

CH + or CH - In TV mode, scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels. In DVD mode, highlights the *Chapter* Info Display icon.

CLEAR Removes any menu or display from the screen and returns you to normal viewing.

DISC MENU In DVD mode, press while playing a DVD or Video disc and the disc's menu system will appear.

DVD Puts the remote in DVD mode.

FORWARD In DVD mode, advances the disc forward.

GO BACK In TV mode, returns you to the previous channel. In DVD mode, returns you to previous screen.

GUIDE If you're operating another component that has a guide, this button accesses the on-screen Guide.

INFO In TV mode, brings up the channel banner. In DVD mode, displays the Info Display.

INPUT Toggles through the available input sources (*VID1/SVID1, VID2, FRNT*, and current channel).

MENU Brings up the TV's Main menu.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

OK When in the menu system, selects highlighted items.

ON•OFF When in TV mode, turns the TV/DVD on and off. If in another mode (VCR) and programmed, will turn the component on and off.

OPEN•CLOSE Opens the disc tray if it is closed; closes the disc tray if it is open.

PAUSE In DVD mode, press PAUSE when the disc is playing to pause playback.

PLAY In DVD mode, plays the disc.

PRESETS In TV mode, picture options are reset to original factory settings.

RECORD In VCR mode, press to program your VCR to record a program.

REVERSE In DVD mode, press REVERSE to go backwards on a disc.

SEARCH In VCR mode, accesses Index Search feature.

SKIP Press once before changing channels and the TV will wait 30 seconds before returning to the original channel. Press repeatedly to add more time. In DVD mode, displays the Info Display with the Angle icon highlighted.

SPEED In VCR mode, selects a recording speed.

STOP In DVD mode, stops playing the disc and displays the DVD's menu system.

TV Turns on the TV and puts the remote in TV mode. Also displays current status.

VCR Puts the remote in VCR mode and, if auto tuning is enabled, will turn on the TV and tune to the correct video input channel.

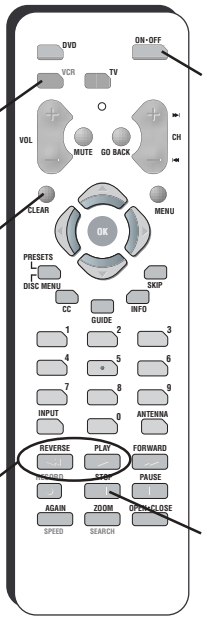
VOL – or VOL + Decreases or increases the TV's volume.

ZOOM In DVD mode, zooms in on the picture.

Using the INPUT Button

Use the INPUT button to scroll through the available video input channels and view components you have connected to the TV/DVD.

1. Make sure the component you want to view is turned ON.
2. Press INPUT to tune to an available video input source and view the component.
3. To return to the previous channel, continue pressing INPUT.



ON•OFF button

VCR button

CLEAR button

REVERSE and PLAY buttons

STOP button

You'll use these buttons when programming the remote.

Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Notes: The TV and DVD buttons can't be programmed on this remote.

The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a VCR, turn on the VCR. Point the remote at the VCR, and press the VCR button. Then press ON•OFF or CH + (channel up) or CH – (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

Using Automatic Code Search

The following instructions can be used to program the remote to operate each of your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the component you want to operate.
2. Press and hold the component button you want to program. While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.
3. Point the remote at the component. Press and release PLAY (the indicator light on the remote flashes).

   The remote is searching for the correct code to program. When the indicator stops flashing (after about 5 seconds), press PLAY again to tell the remote to search the next set of codes.

   Continue pressing PLAY until the component turns off or the indicator light on the remote turns off. If the indicator light turns off, then all the codes for that particular component have been tested once. If the component does not turn off, then the remote can't be programmed to operate that component.

   Note: Each time you press PLAY, the remote sends about 10 sets of codes. Therefore, you might have to press the PLAY button up to 20 times.

If the component you want to operate *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the device turns back ON.
2. To finish, press and hold STOP until the indicator on the remote turns off.

Using Direct Entry

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list in this section.
3. Press and hold the component button you want to program on the remote.
4. Enter the code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
5. Release the component button.
6. Point the remote at the component. Press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.

- If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
- If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

How to Use the Remote After You've Programmed It

Because this universal remote can operate several different components it uses operational modes triggered by the component buttons. For example, if you want the remote to operate the TV, you would press the TV button to put the remote into TV mode before you could operate the TV.

1. Press the appropriate component button (DVD, TV, VCR) to set the remote to operate the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Note: If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR on the remote control to put the remote in VCR mode.)

Remote Control Codes

VCR Codes

Programmable for VCR button.

Admiral 2132
Adventura 2026
Aiko 2027
Aiwa 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes 2000, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115, 2131
Cybernex 2013
Daewoo 2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110
Daytron 2110
DBX 2009, 2010
Dimensia 2000, 2131
Dynatech 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson 2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2031, 2032, 2033, 2034,2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042,2044, 2045, 2046, 2047, 2065, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118
Fuji 2021, 2119
Funai 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120, 2131
Goldstar 2009, 2014, 2018, 2054
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2055, 2056, 2057, 2107, 2111, 2120, 2122
Hi-Q 2023
Instant Replay 2021
JCL 2021
JC Penney 2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2111, 2123
KLH 2061
Kodak 2014, 2021
Lloyd 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2105, 2108, 2124
Magnin 2013
Marantz 2009, 2010, 2011, 2016, 2018, 2021, 2062, 2064
Marta 2014
Masushita 2021
Mei 2021
Memorex 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2132
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi 2029, 2055, 2056, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2132
Motorola 2021, 2132

VCR Codes continued

MTC 2013, 2126
Multitech 2013, 2016, 2026, 2053, 2061
NEC ..... 2009, 2010, 2011,2016, 2018, ... 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2132
Optonica 2096
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
Proscan 2000, 2001, 2131
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA ..... 2000, 2001, 2003, 2013, 2021, 2055, 2056, ... 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, ... 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133
Radioshack/Realistic ..... 2011, 2013, 2014, 2021, ... 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2132
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2104, 2132
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott 2012, 2015, 2025, 2032, 2038, 2065, 2093, 2116
Sears ..... 2011, 2014, 2021, 2023, 2048, ... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2017, 2029, 2094, 2095, 2096, 2097, 2132
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2132
Singer 2021, 2061, 2128
Sony 2004, 2098, 2099, 2119
STS 2021, 2107
Sylvania 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2026
Tandy 2011
Tashiko 2014
Tatung 2111
TEAC 2026, 2085, 2111
Technics 2021, 2109
Teknika 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
Totevsion 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards ..... 2013, 2014, 2015, 2021, ... 2023, 2026, 2029, 2055, 2056, 2061, ... 2096, 2101, 2102, 2103, 2107, 2116, 2132
XR-1000 ..... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Chapter 3: Playing Discs

Regional Coding

Both the TV/DVD unit and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This unit's code is region 1.

Using Different Menus

Each disc is programmed with different features. There are three separate menu paths that you can use to access features:

- **The Disc menu** – The disc menu is part of each disc and is separate from the DVD's menu system. The contents of each disc menu vary according to how the disc was authored and what features are included. The disc menu is turned on and off (while the disc is playing) with the DISC MENU button on the remote.
- **The DVD's Info Display** – The Info Display appears as icons across the top of the screen when a disc is playing. It can only be accessed while you are playing a disc. It's turned on and off with the INFO button on the remote.
- **The DVD's menu system** – The DVD's menu system is accessed only when a disc isn't playing. It appears automatically when the STOP button is pressed.

A feature will only work if the disc was programmed with that feature. If a menu item is "grayed out" it means that item isn't available.

Loading and Playing Discs

Your TV/DVD unit plays DVD discs, Video CD discs, Audio CD discs, mp3 discs, CD-R discs, and CDs with JPEG files. Before you load a disc, make sure that it is compatible with the player. The following discs CANNOT be used with this player:

- Laserdiscs, CD-I, CD-ROM (computer-only discs), CD-RW, DVD-ROM, Discs recorded using other broadcast standards (i.e. PAL or SECAM)

This is an example of a one-sided disc.

This is an example of a 2-sided disc. The title is in the center.

To Load and Play a Disc

To put the TV/DVD in DVD mode and play a disc, press the DVD button on the remote control.

1. Press the OPEN•CLOSE button on the front of the TV/DVD. The disc tray opens.
2. Place a disc gently into the tray with the disc's label facing up (double-sided discs have content on both sides, so you can place either side up).
3. Press the OPEN•CLOSE or PLAY button. The disc tray closes.

   The TV/DVD reads the disc's table of contents, and then one of three things happens depending on how the disc was programmed:

   - The disc starts playing.
   - The disc menu appears on the screen. One of the options will start disc play. Highlight that option and press OK on the remote.
   - The DVD's main menu appears on the screen. Highlight the *Play* option and press OK on the remote.

The unit remembers the five most recent discs (DVD or Video CD only) played and begins playback at the approximate point which the disc was last stopped. To resume normal playback, press the DISC MENU button and choose PLAY from the Disc main menu.

Using a Disc Menu

A disc is capable of having an on-screen menu that is separate from the DVD's menu system and on-screen Info Display. The disc menu might only contain a list of the titles and chapters, or it may allow you to change features such as language and playback settings.

The content and operation of disc menus vary from disc to disc.

Disc Playback Features Using the Remote

You can use the remote control to activate disc playback features.

Playback features aren't usually available during the opening credits of a movie. If a playback feature isn't available, the invalid symbol appears on the screen when you press that button.

Fast Motion Playback (Picture Scan)

To scan quickly through the disc when you're playing it, use the Picture Scan feature.

1. Press the REVERSE or FORWARD button on the remote when you're playing a disc.
2. Press the button again to scan at a faster speed. Each time you press the button, the scanning speed increases.
3. Press the PLAY button at any time to resume normal playback.

Note: You won't hear the sound (audio) on DVD discs when you're using the picture scan feature.

Freeze Frame and Frame Advance

1. Press PAUSE when a disc is playing to freeze the picture.
2. Each time you press the PAUSE button, the picture advances one frame.
3. Press PLAY to resume normal playback.

Slow Motion Playback (in Freeze Frame Mode)

While the disc is in freeze frame mode, you can use slow motion playback.

1. While the disc is playing, press PAUSE on the remote.
2. Press the REVERSE or the FORWARD button.
3. Press the button again to increase the slow motion playback speed.
4. Press PLAY to resume normal playback.

Chapter Advance

While a disc is playing, press CH + or CH – button to highlight the *Chapter* icon and go forward or backward a chapter or track. Press CH + or CH – again to continue to go forward or backward a chapter or track at a time by.

Scene Again™

When you're watching or listening to a DVD disc, press the AGAIN button on the remote to go back approximately 10 seconds to see and hear missed content. Subtitles will automatically be displayed until the end of the replayed scene (to select the subtitle options, go to page 17). This feature only works if the disc is encoded with navigation control.

Using the On-Screen Info Display

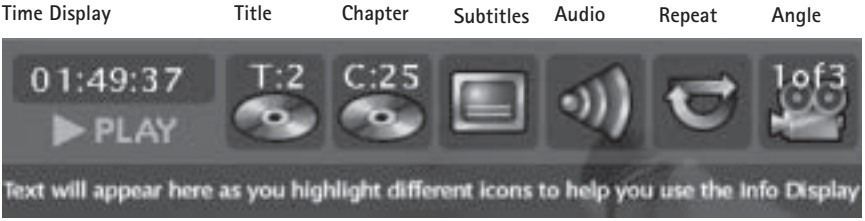
The on-screen Info Display contains many playback features. To see the Info Display, press the INFO button on the remote while a disc is playing. The Info Display appears across the top of the screen. Each feature is illustrated with an icon. Use the left/right arrow buttons on the remote to move through the different icons in the Info Display.

When an icon is highlighted, use the up/down arrow buttons on the remote to scroll through the choices displayed in the text box under the icons.

Remember, you can only access the Info Display when you're playing a disc. Also, the Info Display features are only available if the disc was created with that particular feature (i.e., if you select the Subtitle icon, you won't be able to change the subtitle language unless the author of the disc created the disc with subtitles).

The invalid symbol appears on the screen when you press a button that doesn't have any function. If one of the icons is "grayed out," that Info Display feature isn't available for the disc you're playing. To make the Info Display disappear from the screen, press INFO on the remote.

DVD Disc Info Display



Time Display

This feature displays the audio/video time. For DVD discs, the time displayed refers to the current title time. For Audio CDs, it refers to the current track time.

For DVD video discs, the Time Display also acts as a Time Search feature. This lets you go to a particular scene in a movie by entering the time that scene is played. To use Time Search, press INFO on the remote to bring up the Info Display. Highlight the Time Display and enter the elapsed time of the scene you wish to go to. For example, enter 01:12:00 to go to the scene that plays at 1 hour and twelve minutes into the movie.

Selecting a Title

Some discs contain more than one title. Each title is divided into chapters. To select a title:

1. While the disc is playing, press INFO on the remote to bring up the Info Display.
2. If the *Title* icon on the Info Display isn't highlighted, use the left/right arrow buttons to highlight it.
3. Use the number button(s) on the remote to enter the title number or press the up/down arrow buttons to go to the next/previous title.
4. Press OK on the remote when the title you want to play appears in the text window.

Note: Some discs only have one title.

Selecting a Chapter

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip to a specific chapter by using the Chapter feature in the Info Display.

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Press the left/right arrow buttons to highlight the *Chapter* icon.
3. Use the number buttons on the remote to enter the number of the chapter you want to play or press the up/down arrow buttons to go to the next/previous title.

Notes: The Chapter feature won't work if the disc isn't formatted with separate chapters.

By pressing CH + or CH – on the remote you can automatically highlight the Chapter icon and advance to the next chapter or preceding chapter.

Selecting Subtitles

By default, subtitles are off. To turn subtitles on and change the Subtitle language while you're watching a DVD disc:

1. While a disc is playing, press CC on the remote.
2. If subtitles are off, press OK to turn them on.
3. Use the up/down arrow buttons to scroll through the subtitle languages that are available on the disc. If subtitles aren't available, the text in the text box will read *Subtitles: Not Available*. If subtitles are available, the language currently showing in the text box is the active selection. The subtitles will be shown in that language.
4. To make the Info Display disappear, press the INFO button on the remote.

Notes: Changing the subtitle language with the Info Display will only affect the disc currently being played. When the disc is removed or the unit is turned off, the subtitle language will revert to the language setting specified through the DVD's main menu.

The subtitle language can also be changed through the DVD's main menu.

Changing the Audio Language

If the disc was created with different language tracks (recorded in different languages), you can use the Info Display to temporarily change the DVD's Audio Language setting.

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Press the left/right arrow buttons to highlight the *Audio Language* icon. The current audio language appears in the text box below the row of icons.
3. Press the up/down arrow buttons to scroll through the audio languages that are available on the disc until the audio language you want to use appears in the text box. Audio will be played in that language.
4. To make the Info Display disappear, press the INFO button on the remote.

Notes: The language feature only works if the disc was created with multiple audio tracks.

When you choose an audio language from the Info Display, you only override the audio language setting in the DVD's main menu temporarily.

The audio language can also be changed through the DVD's main menu.

Using the Repeat Feature

The default mode for the Repeat feature is Off. There are four Repeat options:

- Disc – repeats the disc that is playing
- Title – repeats the title that is playing
- Chapter – repeats the chapter that is playing
- A•B – Set the beginning (point A) and the end (point B) to make this part of the movie play repeatedly.

To Use Repeat:

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Highlight the *Repeat* icon. The text in the text box below the icons will read *Repeat Mode: Off*.
3. Press the up/down arrow buttons to scroll through the *Repeat* options until the Repeat option you want is displayed in the text box.
4. The selected repeat option will loop repeatedly until you turn Repeat off. Repeat is turned off by completing steps 1 through 3 above, and selecting the Off option.

A•B Repeat

A•B Repeat lets you define a specific segment on the disc that you want to repeat. For example, you might like to watch the dogfight in the movie *Top Gun*. To watch this scene over and over:

1. Find the spot on the disc that is a few seconds **before** the beginning of the scene you want to repeat (this gives you time to access the Info Display and the Repeat feature).
2. Press INFO on the remote and select the *Repeat* icon from the Info Display.
3. Press the up/down arrow buttons until the A•B Repeat option is shown in the text box underneath the icons. The text box reads *Repeat Mode: A-B Press OK to Set A Point*.
4. At the beginning of the scene you want to repeat, press OK to set the A point.
5. When you get to the part of the disc that you want to be the end of the repeated segment (the B point), press OK. The segment will repeat until you turn Repeat off.
6. To make the Info Display disappear from the screen, press the INFO button on the remote.

How to Cancel Repeat

There are three ways to cancel Repeat:

- Press STOP twice.
- Go to the *Repeat* icon in the Info Display and select *Off*.
- Eject the disc.

Changing the Camera Angle

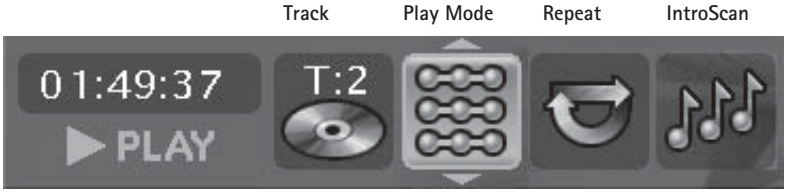
Some discs contain multiple angles of a particular scene or sequence. If the disc only has one angle, this feature won't work. When multiple angles are available, the *Camera Angle* icon appears in the upper right corner of the screen. To change the camera angle:

1. While a disc is playing, press SKIP on the remote. The *Camera Angle* icon will display the number of angles available. For example, if there are 3 different angles, the icon will read 1 of 3. This means angle 1 is currently being played.
2. The text box beneath the icons displays *Camera Angle: 1*. Use the up/down arrow buttons to scroll through the camera angle choices. The camera angle number displayed in the text window is automatically shown.
3. To make the Info Display disappear, press the INFO button on the remote.

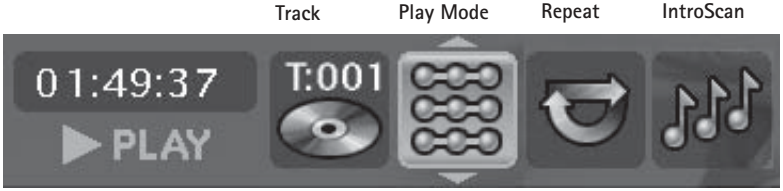
Playing Other Discs

The following are on-screen Info Displays for other discs that can be on the DVD player. Each feature that can be accessed from the on-Screen Info Display is described on the following pages.

Audio CD Info Display



mp3 Info Display



Video CD Info Display

Using the Time Display

The Time part of the Info Display shows the current disc time. To change the current disc time:

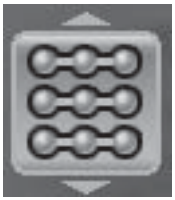
1. Press INFO on the remote (the Info Display appears).
2. Highlight the *Time Display* icon. Use the number buttons on the remote to enter the time where you want the disc to start playing.
3. Press INFO to clear the screen.

Selecting a Specific Track

1. Press INFO on the remote.
2. Highlight the *Track* icon.
3. Use the number buttons on the remote to enter the track number you want to play, or use the up/down arrow buttons to scroll through the track numbers. You may need to press the OK button on the remote after you enter a single digit track number.

Selecting a Specific Index (Available only on Video CDs)

1. Press INFO on the remote.
2. Highlight the *Index* icon from the Info Display.
3. Use the number button(s) on the remote to enter the index number you want to play, or use the up/down arrows to scroll through the index numbers. When a new index number is entered, that index will begin playing.



Selecting a Play Mode (Available only on Audio CDs and mp3s)

The Play Mode feature lets you set up the order in which you want the tracks on the disc to play. There are three options:

Standard: the tracks play in the order listed on the CD (starting with track 1). mp3 files are listed in the order they were recorded.

Random: the tracks on the disc play in random order.

Program: the tracks on the disc play in the order you've programmed. You must first create a program list in the *Play* menu of the DVD's main menu.

Switching between Standard and Random Play

Standard (the order listed on the disc) is the default setting for the DVD mode. To change the default setting:

1. Press INFO on the remote while a disc is playing. The Info Display appears.
2. Highlight the *Play Mode* icon. The current play mode appears in the text box underneath the icons. Press the up/down arrow buttons to scroll through the play mode choices until Random appears in the text box. The tracks on the disc will now play in random order.

Note: The TV/DVD defaults to Standard playback whenever you put a new disc into your TV/DVD.

Using the Program Play Feature

To use the Program Play feature, you must enter the order in which you want the tracks on the CD or mp3 to play by creating a program. This is done from the DVD's main menu.

Use the Edit Program screen to create your own playlist.

To edit a CD:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Track* box is highlighted. Use the number buttons on the remote to enter the track you want to play first. The track number you entered appears in the Track box and the cursor highlights *Add*.
5. Press OK to add that track to the *Program List*. The cursor jumps to the next spot in the *Program List* section. Make sure the *Track* box is highlighted and enter your next track.
6. Continue adding tracks as explained in steps 4-5 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. If you save the program, you can select it from the Info Display. The program will be erased when you remove the disc from the disc tray or the TV/DVD is turned off.

To edit a mp3:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Standard Playlist* box is highlighted. Use the up/down arrow buttons on the remote to enter the track you want to play first and press OK.

   Note: The mp3 might have been set up by folders. You might need to select a folder first, press OK, and then choose a track.
5. The cursor highlights *Add*. Press OK to add to the *Program List*.
6. Continue adding tracks as explained in steps 4-5 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. If you save the program, you can select it from the Info Display. The program will be erased when you remove the disc from the disc tray or the TV/DVD is turned off.

Editing a Playlist

1. If the disc is playing, press STOP to stop playback. The DVD's main menu appears.
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Highlight the item in the playlist you want to delete.
5. Highlight *Delete*, and press OK.

Using the Repeat Feature

The default mode for the Repeat feature is Off. For more information on using the Repeat feature, go to page 18.

Changing the Audio Channel Output (Available only on Video CDs)

If you are playing a stereo Video CD, you can change the channel output.

1. Press INFO on the remote to bring up the Info Display.
2. Highlight the *Audio Channel* icon on the Info Display.
3. The audio channel choices appear in the text box. Use the up/down arrow keys to scroll through the choices: *Stereo, Left, Right* or *Mono*. Whatever choice is displayed becomes the active choice.

Using IntroScan (Available only on Audio CDs and mp3s)

IntroScan plays the first ten seconds of each track on the CD (similar to the scan feature that's on many car radios). To use IntroScan:

1. Press INFO on the remote (the Info Display appears).
2. Highlight the *IntroScan* icon. Press OK. The first ten seconds of each track will play.
   - After IntroScan goes through all of the tracks, it stops.
   - If you want to stop IntroScan while it's in progress, press PLAY on the remote. The current track starts playing in its entirety.
   - You can also access IntroScan from the *Play Mode* menu in the DVD's main menu.

Using PlayBack Control (Available only on Video CDs)

1. Press INFO on the remote (the Info Display appears).
2. Highlight the *Playback Control* icon.
3. Press the up or down arrow button to go back and forth between On and Off.

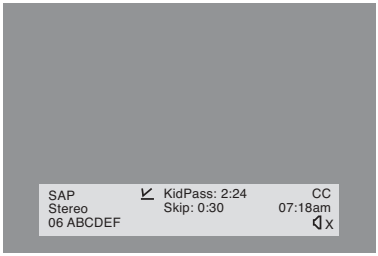
How Playback Control (PBC) works varies for different Video CDs. With most Video CDs, turning on Playback Control enables you to access the Video CD's menu if it has one and requires that you navigate through the Video CD's contents by using the Video CD menu instead of the DVD Info Display. When PBC is on, you won't be able to use any repeat modes or skip titles in the DVD Info Display.

Viewing JPEG files

This DVD Player can play discs with JPEG files on it. You can use the DVD Player to show the pictures in a slide show format.

After you put the disc in the DVD Player and it detects there are JPEG files on the disc, the slide show plays automatically.

Press the FORWARD or REVERSE buttons on the remote to move forward or backward one picture at a time. Press STOP to stop playing the slide show at any time. When the slide show is complete, the DVD's main menu appears.



Channel Banner

There are several items that might appear on-screen in TV mode when you press the TV or INFO button on the remote. This display is called the Channel Banner. The following list describes the items on the Channel Banner screen (left to right and top to bottom).

SAP	Displayed when the current channel is broadcasting SAP (Second Audio Program) information.
↙	Displayed when V-Chip has been activated.
KidPass: 2:24	Displayed when KidPass is set and the length of time remaining.
CC	Displayed when Closed Captioning is available on the current channel.
Stereo **or** *Mono*	Stereo displayed when the current channel is broadcasting in stereo.
	Mono displayed when the current channel is broadcasting in mono.
Skip: 0:30	Corresponds to the SKIP button. Shows the amount of time left before the TV switches back to the previous channel.
07:18 am	Displays the current time.
06 ABCDEF	Displays the current channel and label assigned to the channel.
🔇X	Displayed when you mute the sound.

Why You Should Use the Auto Tuning Feature

The auto tuning feature tunes the TV to the correct channel for different components you have connected to your TV (like a VCR, DVD Player, etc.). When you set up auto tuning in the menu system you don't have to remember to change your TV to channel 3, for example, when you want to watch the tape in your VCR.

How to Set Up the Auto Tuning Feature

The way you set up the auto tuning feature in the TV's menu corresponds to the component buttons on the remote and the way you have each component connected to your TV. When you set up auto tuning, you're telling the TV what channel to tune to when you press the VCR or DVD button on the remote control.

1. Press MENU (the *MAIN MENU* appears).
2. Highlight *Setup* and press OK on your remote control.
3. Highlight *Auto Tuning* and press OK.

4. Choose which channel you want to set:

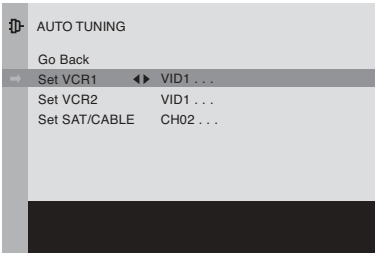
   Set VCR1 Lets you set up the channel the TV tunes to when you press the VCR button.

   Set VCR2 Not available with your remote control.

   Set SAT/CABLE Not available with your remote control.

5. Press the right arrow button to select the choice that matches the way you have the component connected to this TV.

The choices and a brief explanation follow:



N/A Choose this if you don't have this particular component connected to the TV, or if you don't want the TV to automatically tune to the correct channel when you're using this component.

CH02 (SAT/CABLE only- Not available with your remote control).

CH03 or 04 Component is connected to the TV ANT jack on the back of the TV, and you want the TV to tune to channel 3 or 4 when you press the corresponding button on the remote. Reminder: make sure the component's Channel 3/4 switch is set to the appropriate channel.

VID1 Component is connected to the VIDEO 1 VIDEO or S-VIDEO IN jack on the back of the TV and you want the TV to tune to a video input channel when you press the corresponding button.

VID2 Component is connected to the VIDEO 2 VIDEO jack on the back of the TV and you want the TV to tune to a video input channel when you press the corresponding button.

FRNT (Front Video Input) Component is connected to the VIDEO jack on the front of the TV and you want the TV to tune to the front video input channel when you press the corresponding button.

Parental Controls and V-Chip

The choices in the *USA V-CHIP* menu involve software inside your TV (referred to as V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you may believe children should not view.

Once you block programs, you can unblock programs by entering a password.

By default, the software inside your TV is turned "off." For instructions to turn on V-Chip, go to page 32.

How V-Chip Works

V-Chip reads the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, you will receive the message *This channel has not been approved for viewing. Change channel or press OK to enter password and temporarily deactivate the Parental Control.*

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of Not Rated, and programs that are considered unrated. The TV age-based ratings and content themes you can block follow:

USA V-Chip Rating System

TV-MA (Mature Audience Only) Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).

TV-14 (Parents Strongly Cautioned) Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-PG (Parental Guidance Suggested) Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-G (General Audience) Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).

TV-Y7 (Directed to Children 7 years and older) Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.

TV-Y (All Children) Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Canadian English V-Chip Rating System

18+ (Adults) Programming intended for adults 18 and older. It may contain elements of violence, language, and sexual content which could make it unsuitable for viewers under 18. Violence Guidelines: May contain violence integral to the development of the plot, character or theme, intended for adult audiences. Other Content Guidelines: May contain graphic language and explicit portrayals of nudity and/or sex.

14+ (Viewers 14 and over) Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Violence Guidelines: May contain intense scenes of violence. Could deal with mature themes and societal issues in a realistic fashion. Other Content Guidelines: May contain scenes of nudity and/or sexual activity. There could be frequent use of profanity.

PG (Parental Guidance) Programming intended for a general audience but which may not be suitable for younger children (under the age of 8). Parents may consider some content inappropriate for unsupervised viewing by children aged 8-13. Violence Guidelines: Depictions of conflict and/or aggression will be limited and moderate; may include physical, fantasy, or supernatural violence. Other Content Guidelines: May contain infrequent mild profanity, or mildly suggestive language. Could also contain brief scenes of nudity.

G (General Audience) Programming considered acceptable for all ages groups. While not designed specifically for children, it is understood younger viewers may be part of the audience. Violence Guidelines: Will contain very little violence, either physical or verbal or emotional. Will be sensitive to themes which could frighten a younger child, will not depict realistic scenes of violence which minimize or gloss over the effects of violent acts. Other Content Guidelines: There may be some inoffensive slang, no profanity and no nudity.

C8+ (Children 8 and Older) Programming generally considered acceptable for children 8 years and over to watch on their own. Violence Guidelines: Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict or encourage children to imitate dangerous acts which they may see on television. Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. Other Content Guidelines: There will be no profanity, nudity or sexual content.

C (Children) Programming intended for children under age 8. Violence Guidelines: Careful attention is paid to themes which could threaten children's sense of security and well being. There will be no realistic scenes of violence. Depictions of aggressive behaviour will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature. Other Content Guidelines: There will be no offensive language, nudity or sexual content.

Canadian French V-Chip Rating System

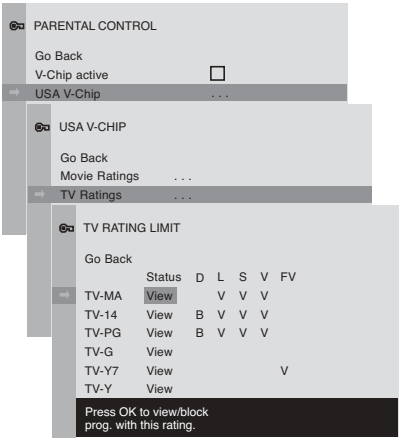
18+ (Adults) Programming is for adults only. This program contains sustained violence or extremely violent scenes.

16+ (Viewers 16 and over) Programming is not suitable for those under age 16. This program contains frequent scenes of violence or intensely violent scenes.

13+ (Viewers 13 and over) Programming may not be suitable for children under the age of 13. This program either contains several violent scenes or one or more scenes that are violent enough to affect them. Viewing in the company of an adult is therefore strongly recommended for children under the age of 13.

8+ (Viewers 8 and over) Not recommended for young children. This program is suitable for most audiences, but it contains mild or occasional violence that could upset young children. Viewing in the company of an adult is therefore recommended for young children (under the age of 8) who do not distinguish between reality and imagination.

G (General Audience) This program is suitable for audiences of all ages. It contains no violence, or any violence that it does contain is either minimal or is presented in a humorous manner, as a caricature, or in an unrealistic way.



USA V-Chip TV Rating Limit

The V-Chip TV Rating Limit lets you decide which TV programs can and cannot be viewed.
To set TV programming limits:

1. Choose *Parental Control* from the MAIN MENU (the *PASSWORD* screen appears the first time you enter the *Parental Control* menu). Create your password using the number buttons on the remote.
2. Highlight and select *USA V-Chip*. Then select *TV Ratings*.
3. Once you get to the *TV RATING LIMIT* screen, use the arrow buttons and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.
4. For TV rating limits to take effect, turn *on V-Chip active* in the *PARENTAL CONTROL* menu (box has check mark).

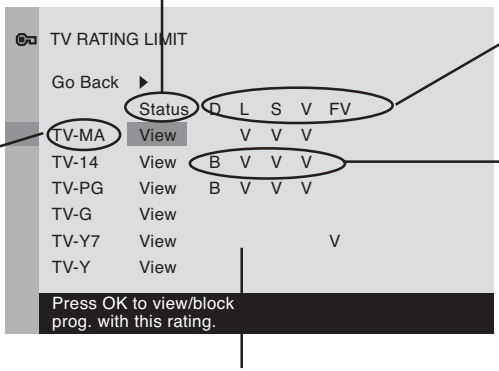
The following sections give you more details about how to change the status of TV program limits.

Note: If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the PARENTAL CONTROL menu.

The V-Chip Rating Screen

The following is an example of where items are located within the *TV RATING LIMIT* screen.

Rating Status Field
Lets you select whether the status of the age-based rating limit to the left is View or Block.


TV RATING LIMIT
Go Back
Status D L S V FV
TV-MA View V V V
TV-14 View B V V V
TV-PG View B V V V
TV-G View
TV-Y7 View V
TV-Y View
Press OK to view/block prog. with this rating.

Content Themes
Lists the content themes you can block or view.

Rating Field
Lets you select from a list of age-based ratings you can block or view.

Content Status Fields
Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).

Rating Settings Area
Lets you see the current block/view state of age-based ratings and associated content.

Hierarchy of Age-Based Ratings	
TV-MA	*Mature Audience Only*
TV-14	*Parents Strongly Cautioned*
TV-PG	*Parental Guidance Suggested*
TV-G	*General Audience*
TV-Y7	*Directed to Children 7 years and older*
TV-Y	*All Children*

Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level.

To block programs with higher ratings:

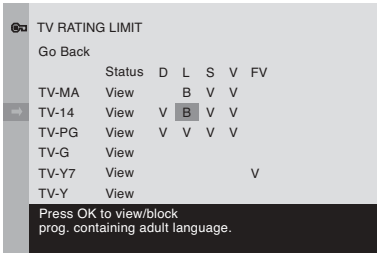
1. Press the up or down arrow button to scroll to the rating corresponding with the lowest rating you do not want the child to watch.
2. Press the OK button to toggle between *View* and *Block*. The status for the rating listed to the left and all higher ratings automatically changes to *Block*.
3. Press the up or down arrow button to highlight *Go back* and press OK.
4. Turn on *V-Chip active* in the *PARENTAL CONTROL* menu (box has check mark) for rating limits to take effect.

Viewing Age-Based Ratings

After you block age-based ratings, you can change some of the ratings back to *View*.

1. Press the up or down arrow button to select the rating with a status of *Block*.
2. Press OK to select *View*.

Content Themes	
D	*Sexually explicit dialogue*
L	*Adult language*
S	*Sexual situations*
V	*Violence*
FV	*Fantasy Violence*



Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V and FV on your screen.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

To block program content:

1. Determine the content themes you want to block.
2. Press the down arrow button to scroll to the rating whose content theme you want to change.
3. Press the right arrow button to move the highlight to a particular content theme status.
4. Press the OK button to change its status to *B*. (In the example to the left, you block the language (L) corresponding with TV-14. The language for TV-MA is blocked as well).

Notes: Broadcasters are not required to provide content themes or age-based ratings.

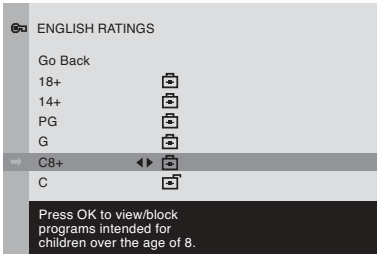
You must remember to activate Parental Controls for rating limits to take effect.

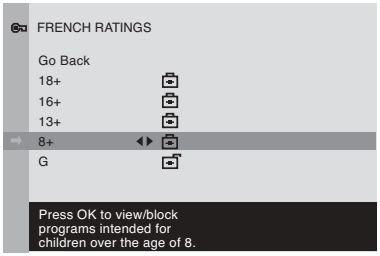
Viewing Specific Content Themes

If you block specific content themes, you have the option of going back and changing some of the content themes back to *(V) View*:

1. Determine the content themes you want to change to *(V) View*.
2. Press the down arrow button to scroll to the rating whose content theme you want to change, such as *B* under language (L) corresponding with TV-14.
3. Press the right arrow button to move the highlight to a particular content theme status.
4. Press the OK button to change the status back to *V*. Your child would then be able to watch programs with the TV-14 adult language content, but not programs with TV-MA language content.

Note: Only the content theme status corresponding to TV-14 (L) language changes to (V) View. Higher rated content themes, such as that for TV-MA language, do not change.





Blocking Canadian V-Chip Ratings

If you receive Canadian programs you can block Canadian English and French V-Chip by ratings only. When you block a particular rating, you automatically block the higher rated programs as well.

To block Canadian English and French program ratings:

1. Select *Canada V-Chip* from the *PARENTAL CONTROL* menu.
2. Highlight *English Ratings* or *French Ratings* and press OK.
3. Determine the rating you want to block.
4. Press the down arrow button to scroll to the rating you want to change.
5. Press the OK button to change its status to block (the lock icon appears and all ratings above the one you selected change to lock).

V-Chip Movie Rating Limit

Set movie rating limits by blocking movies rated above a specified level.

To access the Movie Rating Limit menu:

1. Press MENU on the remote control (the *MAIN MENU* appears).
2. Select *Parental Control*.
3. Select *USA V-Chip*.
4. Select *Movie Ratings*.

Blocking Movie Ratings

Once you are in the Movie Rating Limit menu, follow the same steps described for blocking Canadian V-Chip Ratings.

V-Chip Exempt Program Block

The *Exempt Prgms.* option lets you decide if programs that the V-Chip recognizes as unrated can be viewed. Unrated TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings. The Exempt option applies to both USA and Canadian unrated programs and Canadian programs rated *E*.

Unlocked All unrated programs are available.
Locked All unrated programs are not available.

Note: You must remember to activate V-Chip for rating limits to take effect.

Press the down arrow to highlight *Exempt Prgms*. Then press the right arrow to toggle between the lock and unlock icon.

KidPass

The KidPass feature allows parents to set a certain amount of time every day of the week that a child can watch TV. To set KidPass:

1. Select *Parental Control* from the main menu.
2. Select *KidPass (*the *KIDPASS* menu appears with *Current Day* highlighted).

   Note: If you can't select KidPass, you need to set the time. Highlight Go Back, press the right arrow, then select Time. Highlight Time, then enter the time using the number buttons.
3. Press the right arrow to select the current day.
4. Press the down arrow button to choose the day of the week.
5. After you've chosen the day of the week, press the right arrow to select the amount of time: *Free* and *00:30* up to *16:00* (30 minute increments).
6. When you're done setting KidPass, select *Go Back.*
7. Highlight *KidPass active* and press the right arrow to activate the KidPass settings (box has check mark). The KidPass takes effect immediately.

When the time has expired, the TV shuts off. If you turn on the TV the same day it shut off, the password screen appears (enter the password used for V-Chip).

V-Chip Active

Selecting this option lets you activate and deactivate parental control settings.

1. From the *PARENTAL CONTROL* menu, press the up or down arrow to highlight *V-Chip active.*
2. Press the right or left arrow to turn on (box has check mark) or off (box doesn't have check mark) *V-Chip active.*

If you do not activate V-Chip, none of the settings for V-Chip will take effect.

If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the PARENTAL CONTROL menu.

Front Panel Lock

Selecting this option lets you lock (disable) or unlock (enable) the TV's front panel. The remote still tunes to any channel. When using this as a Parental Control method, remove access to any remote that is capable of operating the television.

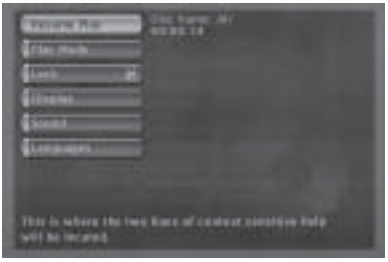
1. From the *PARENTAL CONTROL* menu, press the up or down arrow to highlight *Lock Fr. Panel.*
2. Press the right or left arrow to turn on (box has check mark) or off (box doesn't have check mark) front panel lock.

Change Password

Selecting this option lets you simply create a new password at any time. Once you enter a new password from *Change Passwd.* in the *PARENTAL CONTROL* menu it is the password you use until you change it again.

The DVD's Menu System

The DVD's menu system is not the same as the disc menu or the Info Display. The DVD's main menu comes up when there is no disc playing. If you are playing a disc, press STOP on the remote control to stop playback and bring up the DVD's main menu.



Press OK to clear the screen and resume play.

The Play/Resume Play Option

To get to the DVD's main menu, press STOP on the remote control. The first item in the main menu is the *Play/Resume Play* option. If there isn't a disc in the TV/DVD, the option reads *Play* with the prompt *Insert Disc* to the right. If there is a disc in the TV/DVD and it was previously playing, the option reads *Resume Play* and the name of the disc is displayed on the right.

Any time you stop playback, you will be returned to the DVD's main menu, and the *Play* option will read *Resume Play*. To resume play, highlight the option and press OK, or press the PLAY button on the remote.

The Play Mode Menu

The DVD's *Play Mode* menu lets you choose different ways to play the disc. To see *Play Mode* menu options, a disc must be in the TV/DVD.

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight the *Play Mode* menu option.
3. Press OK. The *Play Mode* menu items appear.
4. Highlight the desired option and press OK. *Program Play* will not work unless you have created a program list.

Selecting *Random Play* plays the disc's tracks in random order.

Selecting a Play Mode

The first three options in the *Play Mode* menu determine in what order the titles or tracks will play on a disc.

Standard Play: plays the disc's titles and chapters in their default order (i.e., chapter 1 of Title 1 plays first, then chapter 2 of Title 1, etc.)

Random Play: plays the chapters of each title in random order.

Program Play: Plays the chapters on the disc in the order you have programmed (you must select *Edit Program* and set up the order in which you want the tracks on the disc to play).

How to Create a Program

To use the *Program Play* option, you must create a program list to set the order you want titles and chapters on a DVD video disc to play. To create a program list for an Audio CD or mp3 go to Chapter 3.

When the Title box is highlighted, enter the title number you want to place in the list.

Creating a Program List for a DVD Video Disc

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Title* box is highlighted. Use the up/down arrows or the number buttons on the remote to enter the title you want to play first. The title number you entered appears in the *Title* box. The number of chapters available appears under the *Chapter* box.
5. Use the up/down arrows or the number buttons on the remote to enter the chapter you want to play first and press OK. The highlight jumps to the *Add* button.
6. Press OK to add that chapter to the *Program List*. The highlight jumps back to the Title box so you can add more titles and/or chapters. Make sure the *Title* box is highlighted and enter your next title and/or chapter.
7. Continue adding titles/chapters as explained in steps 4-6 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. The program will be erased when you remove the disc from the TV/DVD.

Editing a Program

To delete an entry from the playlist, highlight it, then highlight Delete and press OK.

Deleting Chapters

To delete chapters from the playlist:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Highlight the item in the playlist you want to delete.
5. Highlight *Delete*, and press OK.
6. When you are finished rearranging the playlist, highlight *Done* and press OK.

Inserting Chapters

To insert chapters into the playlist:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Use the left/right arrow keys to move the highlight to the program list. Use the up/down arrow keys to mark the spot in the playlist where you want to insert a chapter (the inserted chapter will be placed *before* the highlighted chapter).
5. Highlight the *Chapter* box and use the up/down arrows or the number buttons on the remote to enter the chapter you want to play first.
6. Once you enter the number, the *Insert* box is highlighted. Press OK to insert the chapter in the playlist.
7. When you are finished rearranging the playlist, highlight *Done* and press OK.

AutoPlay

The AutoPlay option is set to play your disc automatically after you close the disc tray. To turn the option off:

1. From the DVD's main menu (in DVD mode, no disc playing) highlight the *Play Mode* option and press OK.
2. The Play Mode selections appear. Highlight the AutoPlay option and press OK to turn the option off.
3. Press the left arrow button to return to the previous menu or press GO BACK to return to the main menu.

IntroScan

IntroScan plays the first 10 seconds of each track on an Audio CD or mp3 file. IntroScan will not repeat automatically. Once it has completed, the system will stop the disc and return to the main menu.

To use IntroScan when playing a CD or mp3:

1. Highlight *Play Mode* and press OK.
2. Highlight *IntroScan* and press OK to begin the function.
3. Press STOP to stop the IntroScan function.

The Lock Menu

The padlock icon is displayed on the DVD's main menu which shows whether your DVD is locked or unlocked.

Locked: A password is needed in order to play discs that aren't included in the rating limits you have set. When the DVD is locked, no one can access the *Lock* Menu items without entering the password.

Unlocked: A password isn't required to play discs.

Use the numbers on the remote to enter a password.

Locking Your DVD

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK (the *Lock* menu items appear).
3. Highlight *Lock Player* and press OK. The *Enter New Password* screen appears.
4. Press the number keys on the remote to enter the password you want to use (similar to entering your PIN when you use a bank machine).
5. After you've entered the last number in the password, press OK. *Confirm Password* appears.
6. Enter the numbers you entered the first time and press OK when you're finished.
7. Press the left arrow to return to the main menu.

If you forget your password you can reset it. Make sure the TV/DVD is in DVD mode. Open the disc tray. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the Lock menu.

Unlocking Your DVD

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK.
3. The *Enter Password* box appears. Enter your password (the *Lock* menu options appear).
4. Highlight *Unlock Player* and press OK. The locked icon changes to unlocked.

Changing Your Password

The DVD must be locked to change the password.

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK. *Enter Password* appears on the screen. Enter your password.
3. Highlight *Change Password* and press OK. *Enter New Password* appears.
4. Press the number buttons on the remote to enter the new password you want to use and press OK. *Confirm Password* appears.
5. Press the number keys to enter the password again and press OK when you're finished.

Setting the Ratings Limits

The Ratings Limits feature is a rating limit system, sort of like movie ratings. It works with DVD discs that have been assigned a rating. This helps you control the types of DVDs that your family watches.

Note: When in DVD mode, the TV/DVD alerts you when you try to play a movie with a rating that exceeds the limit you've set. Some discs include a rating override feature. When you play a disc with this feature, the message Override Limit or Cancel Selection appears on the screen. If you choose to override the rating limit, you will need to enter your password to begin playback.

Changing to a Different Country's Rating System

Some countries use different rating systems. The default for this TV/DVD is the United States. You can change to a different country's rating system through the *Lock* menu.

1. If the disc is playing, press STOP (the DVD's main menu is displayed).
2. From the main menu, highlight the *Lock* option and press OK (the *Lock* menu appears).
3. Highlight *Ratings Limits* and press OK (the *Ratings Limits* menu appears).
4. Highlight *Country* and press OK (a list of countries appears).
5. Highlight the country you want to change to and press OK (the country you selected appears next to the *Country* path menu).
6. Press the left arrow key to return to the main menu.

The Rated Titles screen lets you set the Rating Limit

Rated Titles

The *Rated Titles* option lets you determine how your DVD will react to discs that contain movies that are rated (in the U.S.A., the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.).

You decide which ratings require a password and which ones don't. This system ranks the ratings 1 through 8 in order to accommodate different countries' ratings systems (1 is considered a movie title with the most offensive material).

In order for the Rating Level feature to work, the disc must be encoded with rating information. If the author of the disc did not encode rating information, then this feature will not work for that disc.

When in DVD mode, the TV/DVD must be locked in order for it to enforce the settings in the *Ratings Limits* part of the *Lock* menu.

1. From the *Lock* menu, highlight *Ratings Limits* and press OK (the *Ratings Limits* menu is displayed).
2. Highlight *Rated Titles* and press OK (the 8-level rating limits list appears).

(steps continued on next page)

3. To change the rating limit, press the up or down arrow button.
   - The ratings that don't require a password (free access) appear under the bar, in the green part of the block.
   - The ratings that require a password appear above the bar, in the gray part of the block.
4. When you have moved the bar to the desired setting, press OK. You are returned to the *Rated Titles* screen and the setting appears to the right of the *Rated Titles* option. For example, if you set 3 as the highest rating for Free Access (green), then the *Rated Titles* selection appears as 3 (that's the DVD's number for PG in the 8-level system) for the movie studio's rating. This means when the DVD is locked, it will require you to enter the password to play any discs that are rated higher than 3 (i.e., PG-13 or NC-17).
5. Press the left arrow button to return to the main screen.

Choose Unrated Titles to set free access or require a password for unrated titles.

Unrated Titles

Some titles (movies) aren't rated, but may contain material that is unsuitable for children. You decide how you want the *Ratings Limits* feature to handle these discs: free access or password required. To set the *Unrated Titles* option:

1. From the Lock Menu, highlight *Ratings Limits* and press OK.
2. Highlight *Unrated Titles* and press OK. The *Unrated Titles* options appear.
3. Use the up/down arrow buttons to highlight your choice: *Free Access* or *Password Required*. Press OK. Press the left arrow button to return to the previous screen, and the option you chose is displayed next to the *Unrated Titles* option.
4. Press the left arrow key to return to the main menu.

System Test

There are several tests you can run from the System Test menu. If a problem is found, the text will appear in light gray.

1. Highlight *System Test* within the *Lock* menu.
2. Press OK to display the *System Test Results* screen.
3. Press the left arrow key to return to the main menu.

The Display Menu

The *Display* menu contains the settings that affect how disc content looks on your TV/DVD.

TV Image

The *TV Image* menu adjusts the way a movie appears on your TV/DVD. Standard TVs are 4 x 3 format.

1. From the DVD's main menu (in DVD mode, no disc playing), highlight *Display* and press OK (the *Display* options appear).
2. Highlight *TV Image*. Press OK. The *TV Image* options appear.

4x3 Letterbox

4 x 3 Letterbox – Choose this setting if you want to see movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.

4x3 Standard

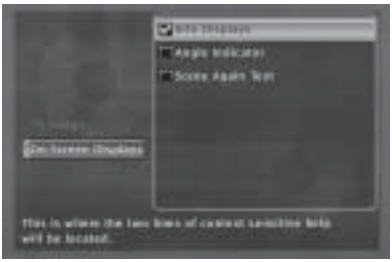
4 x 3 Standard – Choose this setting if you want the movie to fill the entire screen of your TV/DVD. This might mean that parts of the picture (the left and right edges) won't be seen.

Most discs produced in a widescreen format can't be cropped in this fashion. This means the black bars will appear at the top and the bottom of the screen.

16 X 9 Widescreen

16 x 9 Widescreen – Choose this setting if your TV/DVD is connected to a widescreen TV. If you choose this setting and you don't have a widescreen TV, the images on the screen may appear distorted due to vertical compression.

If you play a disc recorded in 4 x 3 format on a widescreen TV, the left and right side of the screen will appear black.



The On-Screen Displays option lets you choose which on-screen display items appear on your TV/DVD.

On-Screen Displays

This feature lets you select whether you want certain on-screen displays to appear on the screen. It contains three choices with check boxes next to them:

- Info Displays – When turned on, displays time transport information when you are fast forwarding or reversing playback.
- Angle Indicator – When turned on, displays camera angle icon if more than one camera angle is available.
- Scene Again™ Text – When turned on, displays subtitles when you use the Scene Again™ feature.

The default is to show all on-screen displays. To turn one of the options on or off:

1. From the main menu, highlight the *Display* option and press OK (the Display menu appears).
2. Highlight the *On-Screen Displays* option and press OK (the three on-screen display options appear on the right).
3. Highlight an option and press OK. This toggles the option on or off.
4. Press the left arrow key to return to the main menu.

The Sound Menu

The *Sound* menu lets you select different sound settings to match the equipment you have connected to your unit.

Select the Sound Logic option from the Sound menu and press OK to toggle Sound Logic on or off.

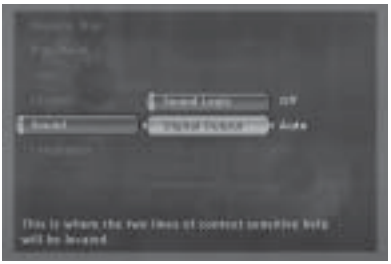
Sound Logic

The Sound Logic feature compresses the dynamic range (quietest sound to loudest sound) of a disc's soundtrack. For example, action scenes might be very loud, while whispered dialog is quiet. The Sound Logic feature evens out the range of the volume by making loud sounds quieter and soft sounds louder. The Sound Logic option is a toggle, it can be turned on or off.

The default setting is off. To turn the Sound Logic feature on:

1. From the DVD's main menu, highlight *Sound* and press OK (the *Sound* menu appears).
2. Highlight the *Sound Logic* option and press OK.
3. Press the left arrow button to return to the main menu.

Note: The performance of the Sound Logic feature varies depending on the type of equipment you have connected to your TV/DVD and the audio format of the disc you're playing.



Select the Digital Output option from the Sound menu.

Digital Output

Digital output lets you choose which type of digital audio is output from your unit. If you've used an optical cable to connect a Dolby Pro Logic, Dolby Digital, or DTS receiver, you must adjust this setting. There are two options:

- Dolby Digital: Choose this setting if you connected a Dolby Digital receiver.
- DTS: Choose this setting if you connected a DTS receiver or decoder to your unit.

The default is Dolby Digital. To change the digital output:

1. From the main menu, highlight and select the *Sound* option and press OK (the *Sound* menu is displayed).
2. Highlight the *Digital Output* option and press OK.
3. Highlight the desired output and press OK.
4. Press the left arrow key to return to the main menu.

Notes: If you set Digital Output to DTS, you must have your unit connected to a receiver or decoder with the DTS feature and the disc you play must support the DTS audio format. If you choose DTS and your receiver or decoder doesn't support DTS, you won't hear any audio.

If you don't want to make any changes, press CLEAR to return to the main menu or GO BACK to return to the Speaker Setup menu.

Select the language option you want to change.

The Languages Menu

The *Languages* menu enables you to choose different language options for audio, subtitles, Disc Menu items and DVD main menu items. The default for all Language menu items is English.

Changing the Player Menus, Disc Menus, Audio or Subtitles Language Preferences

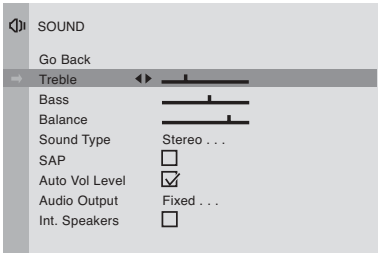
You can choose one of the languages for the text that appears within the on-screen menu system.

1. From the main menu, highlight and select the *Languages* option (the *Languages* menu is displayed).
2. Highlight the language option for the language you want to change and press OK (the language choices are displayed).
3. Highlight the language you want to use and press OK. The menu appears with your selection shown next to the language option.
4. Press the left arrow button or press GO BACK to return to the previous menu.

Notes: If you change the Player Menu Language, the entire DVD's menu system will be displayed in the selected language.

If you change the Subtitle language, you still need to turn them on by going to the INFO DISPLAY, highlight the SUBTITLE icon, and then press OK.

The option Original in the Audio Language menu is the language in which the audio was originally recorded.



Sound Menu

Treble Increases or decreases the treble.

Bass Increases or decreases the bass.

Balance Press the right arrow to increase the audio output in the right speaker; press the left arrow to increase the audio output in the left speaker.

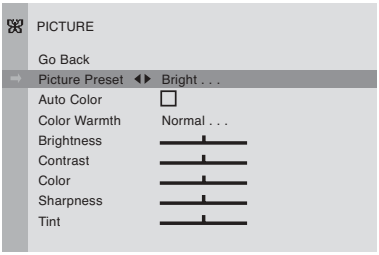
Sound Type Press the right arrow to scroll through the available audio types, which control the way the sound comes through your speakers: *Mono* plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals; *Stereo* to split the incoming stereo audio signal into left and right channels; and *Enhanced* for simulated surround sound. Most TV programs and recorded materials have stereo audio. The word *Stereo* appears on the TV when you tune to a program that is broadcast in stereo.

SAP (*Second Audio Program)* Plays the program's audio in a second language, if one is available. The TV displays the word SAP when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired. Press OK to turn *SAP* on or off.

Auto Vol level (Auto Volume Level) Reduces the annoying blasts in volume during commercial breaks. Eliminates the need to constantly adjust volume control. Press OK to turn *Auto Vol level* on or off.

Audio Output Press the right arrow button to scroll through the available output settings: *Fixed* allows fixed output from the TV/DVD's audio output jacks to an external component, such as a surround sound amplifier; and *Variable* allows variable output from the TV's audio output jacks.

Int. Speakers (Internal Speakers) Turns the TV/DVD's internal speakers on or off. Turn off the internal speakers if you have an audio receiver or amplifier connected to the TV. Press OK to turn *Int. Speakers* on or off.



Picture Menu

The *PICTURE* menu options apply to the video for the main TV and video input selections.

Picture Preset Press the right arrow to scroll through the available picture preset settings: *Natural, Bright, Soft,* and *Personal*. Choose the setting that is best for your viewing environment.

Auto Color Turn this option on to automatically correct the color of the picture. This is especially useful for tracking realistic flesh tone colors as you switch channels.

Color Warmth Press the right arrow to scroll through the color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors.

Brightness Adjusts the brightness of the picture.

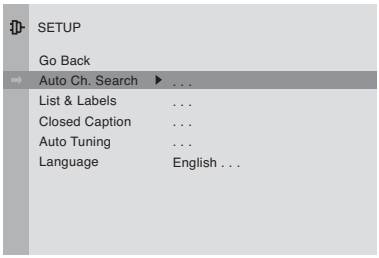
Contrast Adjusts the difference between the light and dark areas of the picture.

Color Adjusts the richness of the color.

Sharpness Adjusts the crispness of the edges in the picture.

Tint Adjusts the balance between the red and green levels.

When you change any of these picture settings, the Picture Preset changes to *Personal*. Use the left or right arrow button to make adjustments. To return to the *PICTURE* menu, press the up or down arrow button.



Setup Menu

Auto Ch. Search (Auto Channel Search) Allows you to choose your signal type and begin an auto channel search.

Signal Type Press the left or right arrow to toggle between the signal your TV is receiving. Choose *Cable* if you are currently using cable or a cable box for TV signals. Choose *Antenna* if you are currently using an off-air antenna for TV signals.

Start Searches for channels the signal is receiving and stores them in the TV's channel list. Go to page 8 for more information.

List & Labels Edit the channels in the list or choose labels for each channel. For example, if channel 12 is NBC, you can use this feature to label it *NBC* so it appears on-screen as part of the Channel Banner.

To delete a channel from the channel list, highlight *Channel* and use the left or right arrow button to select the channel. Then highlight *In list* and press the OK button. The box should no longer display a check mark.

To add a label to a channel, select the channel in the *Channel* option. Press the down arrow button to highlight *Label*. Press the right arrow button to highlight the first space. Use the up or down arrow button to ascend or descend through the characters. Continue to press the right arrow button to highlight the space and the up or down arrow button to add a character. Press OK when you're finished adding a label.

Closed Caption Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the TV screen.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. When a program is closed captioned, *CC* is displayed in the channel banner. Go to Chapter 4 for more information about the channel banner. The closed caption options are:

CC Display Lets you choose the way closed captioning information is shown on the screen.

Off No captioning information displayed.

On Captioning information always appears, when available.

Muted=On Displays captioning information, when available, whenever the TV's sound is muted by pressing the MUTE button. The captioning information is not displayed when the sound is not muted.

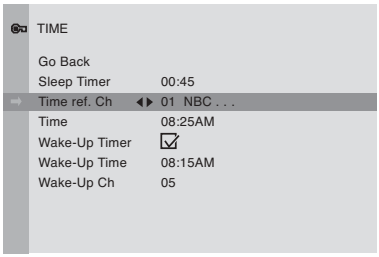
CC Mode Choose which captioning mode is used for displaying captioning information. If you are unsure of the differences among the modes, you may prefer to leave the closed captioned mode set to CC1, which displays complete text of the program in the primary language in your area.

Auto Tuning Displays a choice list that lets you set up the TV to automatically tune to the correct input channel when you press a component button (VCR or DVD) on the remote. Go to Chapter 4 for details about the Auto Tuning feature.

Language Lets you select your preferred language for the menus.

Parental Control Menu

The Parental Control menu was explained in Chapter 4. Go to page 25 for more information.



Time Menu

Sleep Timer Lets you set the TV to turn off after a given time. Press the right arrow to add 15 minutes to the clock (up to four hours).

Time ref. Ch (Time reference Channel) Choose your PBS station to have the TV set the time for you.

Time Time is set if you select a reference channel (see above). If time is not obtained, then enter it manually. If it is 8:25, for example, you must first press the number 0 on the remote, then number 8, then 2 and then 5. Use the OK button to choose between AM and PM.

Wake-Up Timer Lets you set the TV to turn itself on.

Note: When the TV turns on by the wake-up timer and no remote or front panel buttons are pressed for 2 hours, the TV will turn itself off.

Wake-Up Time Lets you set the time you want the TV to turn itself on.

Wake-Up Ch (Wake-Up Channel) Lets you select a specific channel the TV tunes to when the wake-up timer is set.

Chapter 7: Other Information

Troubleshooting

Most problems with your TV/DVD can be corrected by consulting the following troubleshooting list.

Note for U.S. customers: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359. For additional assistance while using your RCA product, please visit www.rca.com/customersupport.

DVD Problems

Player won't work

- Reset the TV/DVD by unplugging the AC power cord and plugging it back in.

Disc won't play

- Insert a disc with the label side facing up.
- Check the type of disc you put into the disc tray. This TV/DVD only plays DVD video discs, Video CDs, audio CDs, mp3s, and CDs with JPEG files.
- If the disc is a DTS music CD, it requires a DTS decoder. If you have a DTS receiver hooked up to your TV/DVD and you are still not getting sound, make sure the sound is set correctly (see Chapter 5).
- Both the TV/DVD and the disc are coded by region. If the regional codes don't match, the disc can't be played. This TV/DVD is Region No. 1.

Play starts, but then stops immediately

- The disc is dirty. Clean it.
- Condensation has formed. Allow player to dry out.

Playback doesn't start at beginning of disc

- The DVD has a disc memory feature which remembers the five most recent discs (DVD or Video CD only) played and begins playback at the approximate point which the disc was last stopped. To resume normal playback, press the DISC MENU button and choose PLAY from the Disc main menu.

No sound or distorted sound

- Make sure your TV/DVD is connected properly. Make sure all cables are securely inserted into the appropriate jacks.
- You may need to readjust the *Digital Output* settings from the *Sound* menu (see Chapter 5).
- Sound is muted during still, frame advance, or slow-motion play.
- If you connected an audio or audio/video receiver to your TV/DVD, make sure you chose the correct input setting on the receiver.

Can't advance through a movie

- You can't advance through the opening credits and warning information that appear at the beginning of movies because the disc is programmed to prohibit that action.

The icon appears on screen

- The feature or action cannot be completed at this time because:
  1. The disc's software restricts it.
  2. The disc's software doesn't support that feature (e.g., angles).
  3. The feature is not available at the moment.
  4. You've requested a title or chapter number that is out of range.

The picture is distorted
- The disc might be damaged. Try another disc.

Picture is distorted during forward and reverse scan
- It is normal for some distortion to appear while scanning.

A screen saver appears on the screen
- Your TV/DVD is equipped with a screen saver that appears on the screen after the DVD mode has been idle for several minutes. Press STOP or GO BACK on the remote to make the screen saver disappear from the screen and return to the DVD's main menu.

Subtitle and/or audio language is not the one selected from the initial setting
- If the subtitle and/or audio language does not exist on the disc, the initial settings will not be seen/heard. The disc's priority language is selected instead. Set the subtitle and/or audio language manually through the Info Display or the DVD's main menu.

The menu is displayed in a foreign language
- The Menu Language preference is set to that language. From the DVD's main menu, select the *Languages option* (In Spanish, shown as *Idiomas*; in French, as *Langues*). From the Languages menu, select the *Player Menus* option (In Spanish, shown as *Menús del Lector*; in French, as *Menus Lecteur).* Highlight the language you prefer and press OK.

No forward or reverse scan
- Some discs have sections that prohibit rapid scanning, or title and chapter skip.
- If you're trying to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.

Camera angle cannot be changed
- Some discs don't have the multi-camera angle system, and some discs only have it in certain parts of the movie.

Picture is too tall and thin
- Change the aspect ratio using the *TV Image* setting in the Display menu (see Chapter 5).

Picture is too short and wide
- Change the aspect ratio using the *TV Image* setting in the Display menu (see Chapter 5).

Cannot copy discs to video tape
- You can't record DVD discs onto videocassettes because the discs are encoded with anti-copy protection.

Full Version of Disc Does Not Play
- The DVD might be locked. To unlock see Chapter 5.

Disc won't eject
- When you put a disc into the disc tray, it may take up to 15 seconds to read the disc. You won't be able to eject the disc during this time. Wait 15 seconds and try again.

TV Problems

TV won't turn on
- Press the TV button.
- Make sure the TV/DVD is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV/DVD. If the TV turns on, check the remote control solutions on pages 49.
- The front panel buttons may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.

Buttons don't work
- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel buttons may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.
- Unplug the TV/DVD for two minutes and then plug it back in. Press the TV button and try again.

TV turns off unexpectedly
- Sleep timer may have been activated. Go to page 45 for instructions.
- KidPass may have been activated. Go to page 32 for instructions.
- Wake-up timer turned on the TV and no remote or front panel buttons were pressed for two hours.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV on again. If this happens frequently, the voltage in your house may be abnormally high or low.

TV turns on unexpectedly
- Wake-up timer might have been activated. Go to page 45 for instructions.
- You might have pressed CH+, CH- or OK on the remote accidentally.

Blank screen
- Make sure the component connected to the TV/DVD is turned on.
- Try another channel.

No sound, picture okay
- Maybe sound is muted. Press the volume up button to restore sound.
- Make sure the *Int. Speakers* option in the *SOUND* menu is turned on.
- If using S-VIDEO cables to connect a component, remember to also connect the component's left and right Audio Output Jacks to the TV/DVD's left and right INPUT Jacks.

Can't select certain channel
- Channel may be blocked or not approved in the *Parental Controls* menu.
- If using a VCR, make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Noisy stereo reception

- The station might be weak. Access the *SOUND* menu, highlight *Sound Type* and then choose *Mono*.

No picture, no sound but TV is on

- The channel might be empty — change channels.
- If you're watching your VCR and it's connected with coaxial cable to the TV/ANT jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals. Go to page 44 for more instructions.

PASSWORD menu appears

- KidPass option is activated and you try to reset the time.
- You turn the TV on after KidPass shut off the TV.

Black box appears on the screen

- Closed-captioning might be on. Check the *Closed-Caption Display* control panel in the *Screen* menu. Go to page 45 for more instructions.

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component (TV or VCR) that you're trying to operate.
- The remote might be in the wrong mode. To be in DVD mode, press DVD on the remote before you press any other buttons. If you're operating the TV, press the TV button first.
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to reset the remote: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Problems with V-Chip/Parental Controls

The rating limits don't work

- You must lock the settings. Go to the *TV MAIN MENU* (press MENU on your remote), select *Parental Controls* (press 6 on your remote), select *Lock Parental Controls* (press 6 on your remote).

I don't remember my password and I want to unlock the TV

- If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password the next time you access the *PARENTAL CONTROL* menu.

The V-Chip won't let me watch a program even though it's not rated as violent.

- Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must set *NR* to *View* separately in order to view movies with an NR rating.

Care and Cleaning

CAUTION: Turn OFF your TV/DVD before cleaning.
You can clean the TV/DVD as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV/DVD's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV/DVD.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV/DVD. Also, avoid placing drinks or vases with water on top of the TV/DVD. This could increase the risk of fire or shock hazard or damage to the TV/DVD.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Handling Cautions

- Before connecting other components to this TV/DVD, be sure to turn all components off.
- Don't move the TV/DVD while a disc is being played. The disc may get scratched or broken, and the TV/DVD's internal parts may be damaged.
- Don't put any container filled with liquid or any small metal objects on the TV/DVD.
- Be careful not to put your hand into the disc tray.
- Don't place anything other than the disc in the disc tray.
- Exterior influences such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the TV/DVD off and on again with the ON•OFF button, or disconnect and then reconnect the AC power cord to the AC power outlet. The TV/DVD will operate normally.
- Be sure to remove the disc and turn off the TV/DVD after use.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the TV/DVD.
- When condensation forms inside the TV/DVD, it may not operate correctly. If this occurs, leave the TV/DVD at room temperature until the inside of the disc tray becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Handling Discs

- Don't touch the disc's signal surfaces. Hold by the edges or by one edge and the hole in the center.
- Don't affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

Cleaning Discs

- Dirty discs can cause reduced video and audio performance. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes very dirty, wet a soft cloth in water, wring it out well. Wipe the dirt away gently, and remove any water drops with a dry cloth.
- Do not use record-cleaning sprays or anti-static agents on discs. Also, never clean the discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

Limited Warranty

What your warranty covers:

- Defects in material or workmanship.

For how long after your purchase:

- One year from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:

- Pay any Authorized RCA Television Service Center the labor charges to repair your unit.
- Pay any Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:

- For 20" screen size: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.

- For screen sizes larger than 20": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, visit www.rca.com, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.
- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Damage from images burnt onto the screen.
- Acts of nature, such as but not limited to lightning damage.
- A unit purchased or serviced outside the U.S.A.

Product Registration:

- Please complete and mail the Product Registration Card packed with your TV/DVD or register on-line at www.rca.com/productregistration. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**

- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

Accessory Information

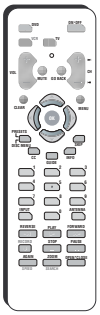
Below are accessories available to compliment your product. Prices are subject to change without notice. All accessories are subject to availability.

A shipping and handling fee will be charged upon ordering, and we are required by law to collect the appropriate sales tax for each individual state, county and locality to which the merchandise is being sent.

How to Order

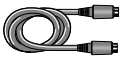
To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below. Use this number only to place an order for accessory items listed on this page.
1-800-338-0376

Some of these accessories area also available on-line at
www.rca.com



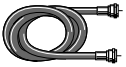
Remote Control: This is the remote control that came packed with your TV/DVD. Replacements or spares can be ordered as needed.

RCR311TGM1 (part number and price not available at time of printing)



S-Video Cable: Has multi-pin connectors on each end for connecting S-Video components to your TV/DVD.
VH976 (6-ft) $7.95

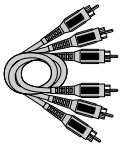
VH913 (12-ft) $14.95



Screw-on Cable: Attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV/DVD. The ends screw onto the connectors for a secure connection.

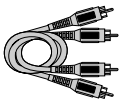
VH81 (3-ft) $3.95

VH82 (12-ft) $4.95



Stereo VCR Dubbing Cable Triple cable that lets you connect the VIDEO and AUDIO jacks of stereo components.

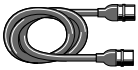
VH84 (6-ft) $9.95



Monaural VCR Dubbing

lets you connect the video and audio jacks of two VHS VCRs to duplicate tapes. Can also be used to connect a VCR to your TV. Cable is color-coded and shielded. Has RCA-type phono plugs on each end.

VH83 (6-ft) $5.95



Push-on Cable attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV/DVD. Ends push on for a quick connection.

VH89 (6-ft) $5.95

Amplified Antenna

Allows you to quickly switch from the antenna signal to the cable or satellite signal without disconnecting the antenna.

ANT200 $49.95

2-way Signal Splitter

Helps you connect a second TV or VCR.

VH47 $3.95

As an ENERGY STAR® Partner, Thomson Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

ENERGY STAR is a U.S. registered mark.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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